Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/06/2019 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125220	0	1.75	125275	1.77
Blue	F	SSC	125000	124128	-1	1.52	124934	1.52
Blue	E	FITC	16694	16309	-3	2.74	356	19.73
Blue	D	PE	32792	32303	-2	2.00	704	14.15
Blue	B	PerCP-Cy5-5	44451	43630	-2	3.55	1175	19.67
Blue	A	PE-Cy7	33645	33507	-1	6.05	638	40.08
Red	C	APC	47008	46316	-2	2.44	1640	11.72
Red	A	APC-Cy7	32298	31418	-3	2.41	829	11.37
Violet	B	V450	8961	8601	-5	4.34	478	12.88
Violet	A	V500	32726	31446	-4	4.08	730	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21310	3.15	603	-10	N/A	N/A	Pass
Blue	F	SSC	56379	1.12	542	-26	N/A	N/A	Pass
Blue	E	FITC	64	63.54	539	-24	0.0210	106	Pass
Blue	D	PE	148	48.91	547	-19	0.1922	332	Pass
Blue	B	PerCP-Cy5-5	215	48.37	642	-29	0.0103	48	Pass
Blue	A	PE-Cy7	119	98.84	695	-31	0.0120	12	Pass
Red	C	APC	390	24.63	583	-30	0.0284	145	Pass
Red	A	APC-Cy7	183	28.10	558	-27	0.0071	1270	Pass
Violet	B	V450	75	56.10	467	-19	0.0535	1778	Pass
Violet	A	V500	109	31.57	477	-19	0.0265	605	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.95	-31.53	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	17.19	13.60 - 20.40	N/A	N/A	29.17	29.55	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11816

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments